Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 18 Jun 2023 until 23:59 on Monday 19 Jun 2023

Forecast Issued on Saturday 17 Jun 2023 at 13:01

Confidence: High for warm conditions and for the transition through the weekend to more unsettled weather with showers and thunderstorms. Lower confidence in exact details and timings of showers.

Headline for Sunday 18 Jun 2023: Scattered heavy showers developing, then merging to an area of heavy, thundery rain from later in the afternoon, this moving north.

Mountain weather hazards on Sunday 18 Jun 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain showers (night)	Light rain showers (night)	Light rain showers	Heavy rain showers	Heavy rain showers	Heavy rain showers	Heavy Rain	Heavy Rain
Precipitation probability							
50%	50%	30%	30%	40%	60%	80%	>95%

Forecast for Sunday 18 Jun 2023

Weather: There is a chance of scattered showers through the early hours, which could continue through the morning. Into the afternoon further showers will break out, some developing into thunderstorms with a risk of hail and lightning. Later in the afternoon and through the evening showers are likely to merge into an area of heavy rain, with a continued chance of thunder. This area of heavy, thundery rain then moves north overnight.

Chance of cloud-free hill tops above 600m: Greater than 90%, lowering to 70% during the late afternoon and evening.

Low cloud and visibility: Cloud bases are expected to remain well above summits through much of Sunday. However, should heavy showers become slow-moving, there is a chance that patchy cloud may lower to obscure the highest summits, with bases around 600m. Also, through the evening in more persistent rain, bases likely to lower to around 600m, especially on eastern upslopes. Very good visibility, lowering to moderate or poor in heavy or thundery showers, and more persistent rain later.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 18 Jun 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/23 SE	15/21 E	15/21 E	8/12 SE	9/14 SE	7/11 E	10/14 E	7/10 E	8/11 W
300	10/18 E	9/13 NE	6/10 E	5/9 E	6/11 SE	6/11 E	10/17 E	4/7 N	4/7 SW
Valley	8/16 E	10/18 E	5/12 E	4/9 SE	6/11 SE	5/10 E	7/16 SE	3/6 SE	3/7 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/11	14/11	14/11	15/13	16/15	17/16	15/14	14/13	13/12
300	16/14	14/12	14/14	17/17	19/18	20/20	18/16	16/16	15/15
Valley	17/15	15/13	16/15	19/18	21/20	21/21	18/18	17/17	16/16
Freezing Level*	2900m	2800m	2800m	2700m	2600m	2700m	2800m	2800m	2800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Elevated UV levels in sunny spells between any showers. Conditions deteriorating during the afternoon as heavy, potentially thundery rain moves north.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 17 Jun 2023	0.4mm	0.4mm	0.4mm

Forecast for Monday 19 Jun 2023

Weather: Outbreaks of heavy, perhaps thundery, rain should clear northwards through the early hours to leave mostly dry conditions with clearer spells. Monday will then see a mixture of sunny spells and scattered showers, these turning heavy in places, with a risk of thunder. The showers should gradually become more isolated and fade through the evening.

Maximum wind: Southwest 10-15 mph, gusts 20-25mph.

Chance of cloud-free hill tops above 600m: Mostly 90% or more, but perhaps 70% in the early hours of Monday.

Low cloud and visibility: Cloud bases are expected to be largely above summits. However, some patchy cloud may obscure the highest summits in the early hours, with bases around 600m. Also, there is a chance that patchy cloud may lower to obscure the highest summits in any slower-moving heavy thundery showers.

Temperature: **Valleys:** Plus 14 Celsius, rising to Plus 23 Celsius
At 600m: Plus 13 Celsius, rising to Plus 17 Celsius
Freezing level: Well above summits

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